

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. First & Final

(For Other Works)

Date.....2020

Division: **Byatarayanapura**

Sub-Division: **Kodigehalli Sub Division**

Bill Received No.

Dated Divisional

Cash Book Voucher No..... Dated.....

1802

Sub Divisional

Work Code: **008-19-000160**

Schedule Docket No. Head of Account: P1171 Est.Cost: 16.00 Lakhs D.R.No. :

Name of Work : **Drilling of Borewell Providing Pipeline in ward no:08 Kodigehalli**

Name of Contractor and Full Address: **Sri.S.Vinod Kumar, #10, Vankatamma Latout, 3rd Cross, Thindlu Main Road, Vidyanayapura (P) Bangalore-560097**

Reference to Agreement No.EE/BTP/ W.O/169 /2019-20, Indent no:38319

Date: 12-12-2019

Certified that the measurements were taken by me on 28/01/2020 and recorded of Pages 498440 to 498140 of measurement Book No. 4982/18-19 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Assistant Executive Engineer

Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.....
- 3) " Balance
- 4) Deduct Payment:
 - a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....
adjusted towards cash advance recovery of
 - b) Payments } cost store or other material supplied.
Now made } recovery of amount creditable to this/other work
Amount paid on this bill Cheque / Cash.
- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No.....
dated.....less adjustments.
- 7) Net amount due to or from Contractor unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

151802

Water supply / new ore 80

(in final settlement of all demands)

ಜಲ್ಲಾ ಮೊಬಲಗು ರೂ. 138900/- ಗಳನ್ನು ಪಾವತು ಮಾಡಿದೆ.

ಇದರಲ್ಲಿ ರೂ. 57100/- ಗಳನ್ನು ಮೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 13,31,900/- ಗಳನ್ನು

Stamp

FT/NEFT/RTGS ಮೂಲಕವೂ ನಿರ್ವಹಿಸಿದೆ

4/08

4/08

Executive Engineer

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate	Unit
1	Carrying out geophysical survey Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc.,(Page.no.47, item no.9.4) PRED SR 2012-13.	No
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG na above 900 CFM and abaove in all strats including over burden upto 20M. fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)(P-46,I.NO.9.1 TO 9.1.6)PRED SR 2012-13	Rmtr
3	a. Upto 50.00m depth	Rmtr
4	b. Above 50.00 to 100.00m depth	Rmtr
5	c. Above 100.00 to 150.00m depth	Rmtr
6	d. Above 150m to 200m depth	Rmtr
7	e. Above 200m to 250 m depth	Rmtr
8	f. Above 250m to 300 m depth	Rmtr
9	f. Above 300m to 350 m depth	Rmtr
9	Supplying of ISI Mark 175 mm nominal bore, Plain end steel casing pipe - grade of steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electric resistance continuous welded middle steel tube material confirming to IS 1387 / 1993 and manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket and the other and with a plastic protection end (including of all taxes) (Page no.III, Item No.84)PRED SR 2012-13	Rmtr
10	Providing and fixing 250mm dia PVC (casing pipe) (Page no.XXXI,Sl. no.909) KPWD SR 2015-16	Nos
11	Providing 175mm dia MS Collar (Page no.III, Item no.86) PRED SR 2012-13	Nos
12	Providing 175mm dia Bore Cap CE (M) (Page no.III, Item no.85) PRED SR 2012-13	Nos
13	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings. PAGE NO XXXXII	Unit
14	KSRB13-3.1: Providing and fixing to wall ceiling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page 90 ITEM NO 13.6)	Rm
15	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts as per 1x3x4 sqmm of 56 strands 0.3mm dia Group A (Page no.12, item no.2.10.3) PWD Elctricla SR 2014-15 3Cx4.0Sqmm.	Rm
16	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes inculding transportation each length pno 558 ino 3 bwssb sr 14-15	Rm
17	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts (P.No.44 SL.No.6.6.6) Electrical SR 2014-15	Nos
18	Supplying of 1.1 KV LTUG Cable having alluminium conductor PVC insulated extruded inner sheathed , galvanized, steel strip (except 2C X 10sq.mm wire armoured) confirming to IS-3975:1990(No.of Strip indicated in GTP) & extruded PVC outer sheathed armored cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm (Page no.55, Sl.no.7.4.4) Electrical SR2014-15	Rm
19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/on wall/on poles as required. In existing trench/duct. 6 sqmm to 16sqmm (Page no.61, Sl.no.7.8.1) Electrical SR2014-15	Nos
20	Digging of trenches of 0.6 x 0.50m wide refilling the trench to the required ground level and consolidating etc., compelte (Page no.61, Sl.no.7.9.2) Hard soil Electrical SR 2014-15	Rm
21	Supplying and fixing class A (medium duty)-GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V. class 40mm (P.No.62, Sl.No.7.12.1) Electrical SR2014-15	Mtr
22	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound compelte with terminals, clamps, bolts nuts and washers etc., for 16 sqmm (Page no.62, Sl.No.7.13.2) Electrical SR 2014-15	Nos
23	Supplying and fixing wiring earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (page no.55, Sl.no.7.1) Electrical SR2014-15	Nos
24	Supplying and fixing of procelin fuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers. 63Amps (Page no.44,Slno.6.7.3) Electrical SR 2014-15	Each

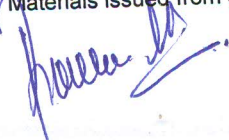
Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	2	1686.46	3373	2	3373	
-	-	100	274.21	27421	100	27421	
-	-	100	358.44	35844	100	35844	
-	-	100	398.76	39876	100	39876	
-	-	100	421.17	42117	100	42117	
-	-	100	487.48	48748	100	48748	
-	-	100	522.43	52243	100	52243	
-	-	50	557.37	27869	50	27869	
-	-	108	1152.75	124497	108	124497	
-	-	18	1913.57	34444	18	34444	
-	-	20	130.5	2610	20	2610	
-	-	2	87.0	174	2	174	
-	-	2	62749.62	125499	2	125499	
-	-	600	472.17	283302	600	283302	
-	-	1160	164.17	190437	1160	190437	
-	-	100	76.56	7656	100	7656	
-	-	2	262.74	525	2	525	
-	-	70	122.15	8551	70	8551	
-	-	70	9.4	658	70	658	
-	-	60	101.79	6107	60	6107	
-	-	6	300.15	1801	6	1801	
-	-	2	243.6	487	2	487	
-	-	2	2372.49	4745	2	4745	
-	-	6	313.2	1879	6	1879	

25	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 7.14.2 KPWD Electrical SR 2014-15	Each
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required conforming to IEC 60898. 40-63Amps TPN (Page no.47 Sl.No.6.16.6) Electrical SR2014-15	Each
27	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.(Page no.49, Item no.6.40.1) PWD Electrical SR 2014-15	Sq cms
28	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(Page no.93, Item no.13.62) KPWD SR 2015-16	Nos
29	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No.92/ I. No. 13.81.3 PWD SR	Each
30	Gate value 50 mm nominal bore gun metal P. No.xxiii sl No. 673 PWD SR	Each
31	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	No
32	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.(P.No.5, I.No.2.1) PWD SR 2016-17	Cum
33	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing & Technical Specification MORTH Specification No. 304. (P.No.217, I.No.27.17) PWD SR 2016-17	Cum
34	KSRRB13-9.3 : Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 (Page no.94, Item No.13.73.1) PWD SR 2016-17	Rm
35	KSRRB : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.(Page No.6,Item No. 2.11) KPWD SR-2015-16	Cum
36	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (Page No. 155, Item No. 20.18, PWD SR 2018-19)	Cum
37	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (Page No. 158, I. 21.1, PWDSR 2018-19)	Sqm
38	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502 (Page No. 158, Item No. 21.5, PWD SR 2018-19)	Sqm
39	KSRRB M500-18: Providing and laying bituminous macadam on prepared surface using crushed aggregates as per design mix formula for base/binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hotl mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. Using 40-60 TPH capacity HMP with mechanical paver grading II (50-75mm) with 3.4% VG-30 bitumen. (Page No. 159, Item No. 21.11.6, PWD SR 2018-19)	Cum
40	KSRRB M500-18: Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. using 40-60 TPH capacity HMP with mechanical paver grading I (35-40mm) with 4.5% VG-30 Bitumen (Page No. 160, Item No. 21.20.5, PWD SR 2018-19)	Cum
Total		

Certificate

1

Certified that the above said building foundation work is inspected and work done Satisfactory by Beneficiaries and no Materials issued from departmentally



-	-	12	74.82	898	12	898	
-	-	2	1345.89	2692	2	2692	
-	-	75300	0.29	21837	75300	21837	
-	-	2	1226.53	2453	2	2453	
-	-	4	193.66	775	4	775	
-	-	6	1216.53	7299	6	7299	
-	-	2	8700.0	17400	2	17400	
-	-	40.5	229.63	9300	40.5	9300	
-	-	8.1	1899.73	15388	8.1	15388	
-	-	90	216.72	19505	90	19505	
-	-	32.4	70.09	2271	32.4	2271	
-	-	8.1	1741.11	14103	8.1	14103	
-	-	54	19.37	1046	54	1046	
-	-	54	40.58	2191	54	2191	
-	-	2.7	5369.97	14499	2.7	14499	
-	-	2.16	6714.54	14503	2.16	14503	
				1217023.44	1217023.44		

98+12.7.
Beycom Chru

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.D.M.S.

146042.81 ✓
26000.00
1389066.25
1389000 ✓